

Abstract

The present invention relates to combinations of a building material and a bath fluid for methods for directly printing visual-aid models or elements, in particular, for the use in the office or at home. Furthermore, the present invention relates to the polymers obtained by the reaction of the building material and the bath fluid and to elements or models produced from the combinations according to the present invention. The use of the combinations according to the present invention in rapid prototyping methods enables the production of elements having varying mechanical properties. Coloured elements can be obtained by adding colourants. The elements made from the building materials according to the present invention exhibit mechanical properties, a thermostability and accuracy in every detail, thus rendering them suitable as visual-aid models and discussion models for design, architectural, constructional and other blueprints. The surface quality, the rigidity and the hardness of the elements can be improved by post-treatment.